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Art Unit Applicant Appln,. No.

Confirmation No. Atty Docket No. Sheet 1 of 16

: 1654 : Kimihiro Yamashita

: 09/533,150 : 1126 : TAI01 P-300

(1) AT THE INTIAL TIME

N - SURFACE

P - SURFACE

INORGANIC ION FORMING BONES

PROTIEN

> CELL

(2) AT AN INTERMEDIATE TIME

N - SURFACE P - SURFACE

FORMATION OF NEW BONE (3) AFTER USE FOR A LONG TIME **POLARIZED CERAMICS**

FIG. 1



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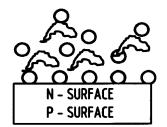
: TAI01 P-300

(1) AT THE INTIAL TIME

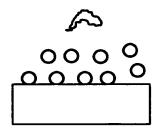
N - SURFACE P - SURFACE

CHLORINE ION BACTERIUM

(2) AT AN INTERMEDIATE TIME



(3) AFTER USE



BACTERIA KILLED

FIG. 2



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FIG. 3



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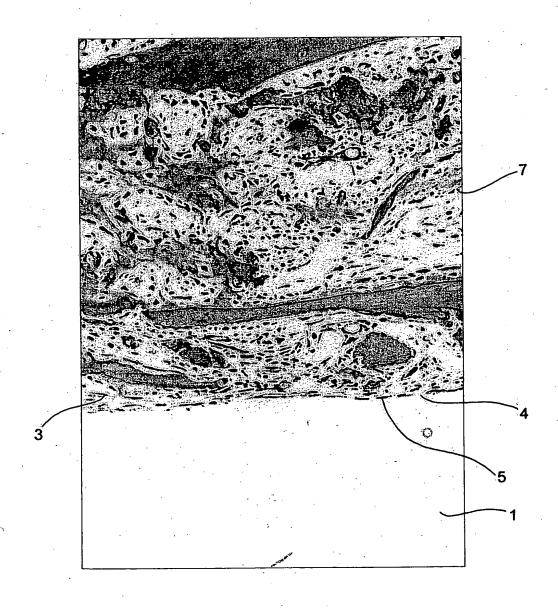


FIG. 4



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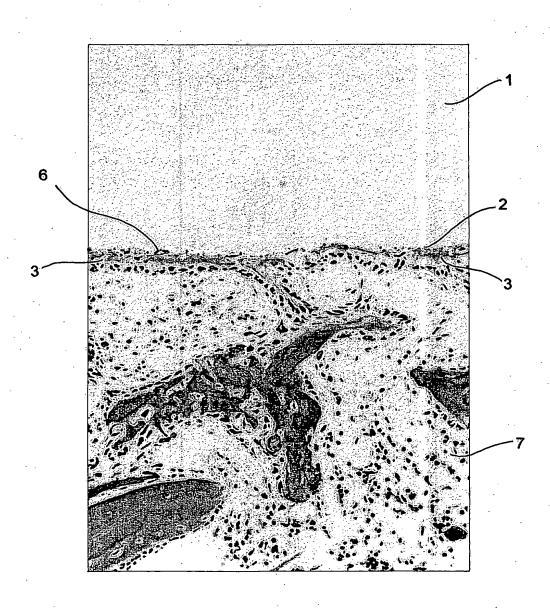


FIG. 5



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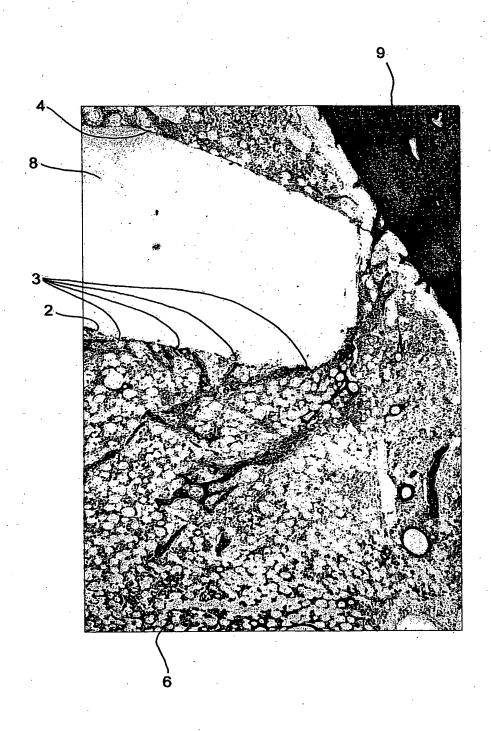


FIG. 6



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t : 1654 nt : Kimihiro Yamashita No. : 09/533,150 nation No. : 1126 ocket No. : TAI01 P-300

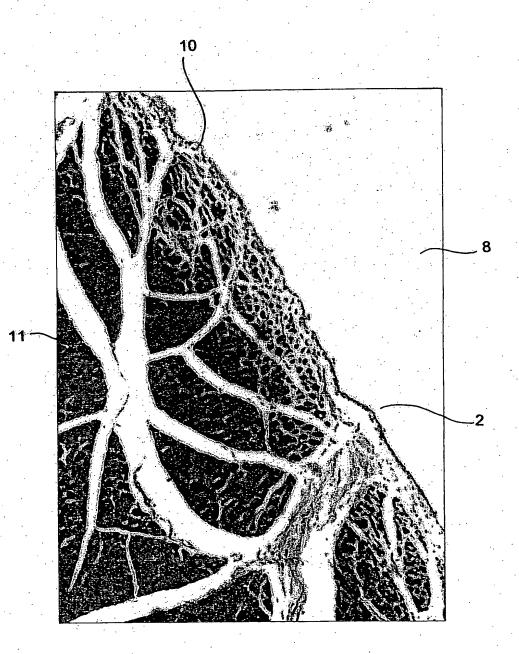


FIG. 7



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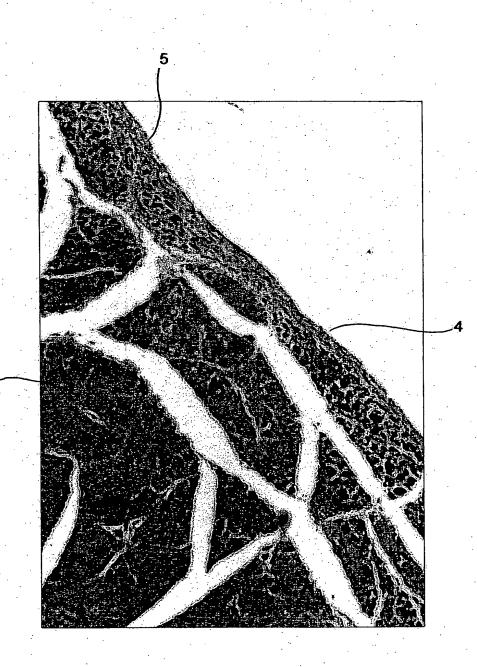


FIG. 8



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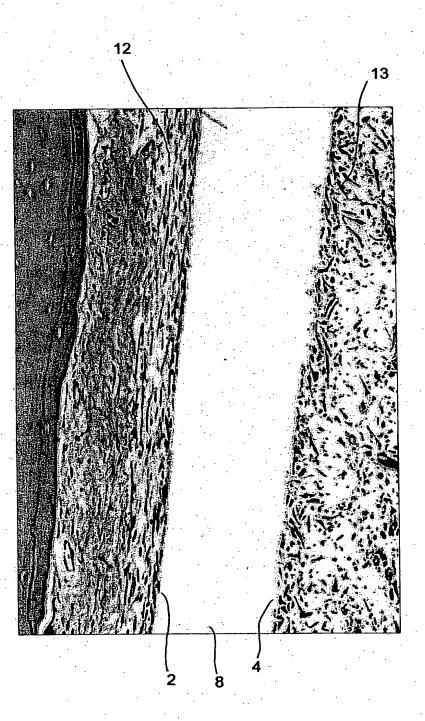


FIG. 9

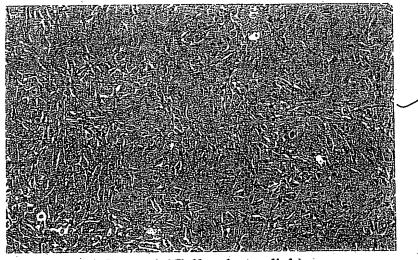


Art Unit Applicant

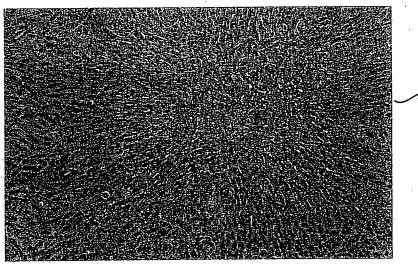
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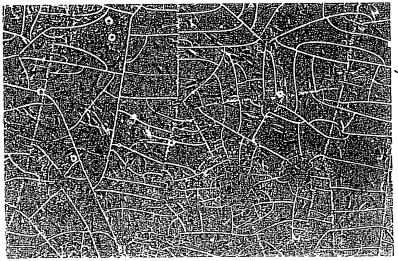
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Control (Cell culture dish)



Negatively charged surface



Positively charged surface

FIG. 10



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	10µm	g layer
	ng 10µm mg	ıting layer
	aking.10µm	coating layer
	soaking.10µm	of coating layer
	ore soaking 10 µm	face of coating layer
	Before soaking 10 µm	Surface of coating layer

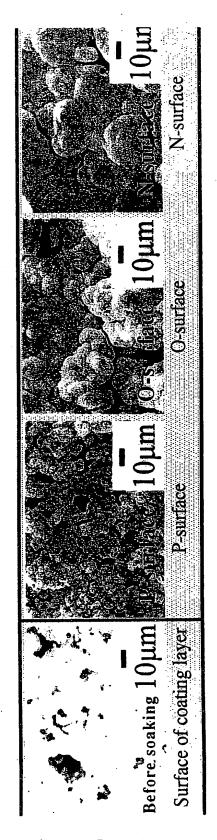


FIG. 12

FIG. 13



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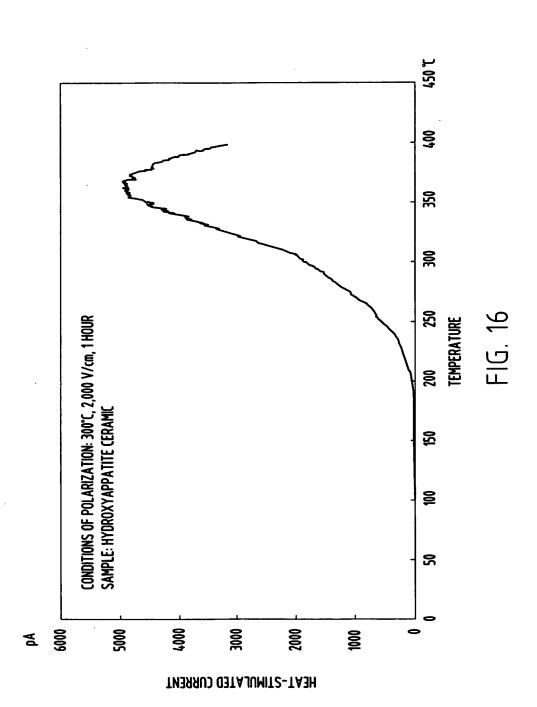
Surface of coating layer

N-surface 0-surface P-surface Surface of coating layer

FIG. 14

FIG. 15





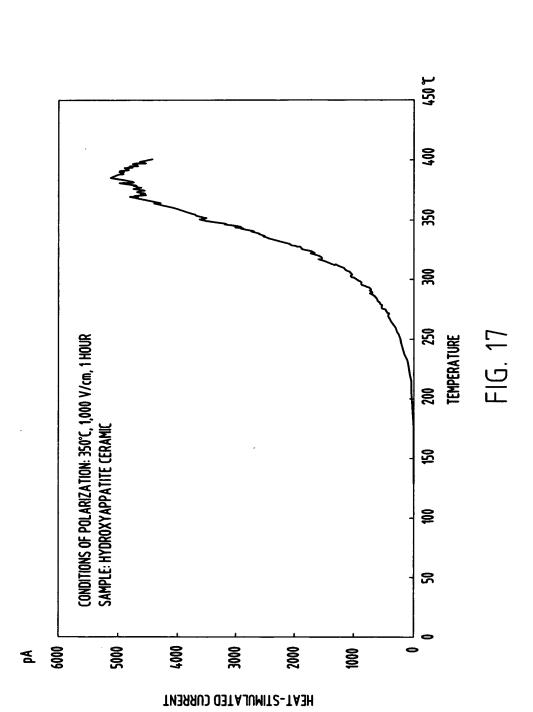
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